

## Product datasheet for **SC337952**

### CYFIP2 (NM\_001291721) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CYFIP2 (NM_001291721) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYFIP2
Synonyms:	EIEE65; PIR121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291721, the custom clone sequence may differ by one or more nucleotides

```
ATGACCACGCACGTACCCTGGAAGATGCCCTGTCCAACGTGGACCTGCTTGAAGAGCTTCCCCTCCCCG
ACCAGCAGCCATGCATCGAGCCTCCACCTTCTCCATCATGTACCAGGCTAACTTTGACACAAAACCTTGA
GGACAGGAATGCATTTGTACGGGCATTGCAAGGTACATTGAGCAGGCTACAGTCCACTCCAGCATGGTG
AAATGCAACGAGCAGCCCAACCGAGTAGAGATCTATGAGAAGACAGTAGAGGTGCTGGAGCCGGAGGTCA
CCAAGCTCATGAAGTTCATGATTTTCAGCGCAAGGCCATCGAGCGGTTCTGCAGCGAGGTGAAGCGGCT
GTGCCATGCCGAGCGCAGGAAGGACTTTGTCTCTGAGGCCTACCTCTGACCCTTGGCAAGTTCATCAAC
ATGTTTGTCTCCTGGATGAGCTAAAGAACATGAAGTGCAGCGTCAAGAATGACCACTCTGCCTACAAGA
GGGCAGCACAGTTCTGCGGAAGATGGCAGATCCCCAGTCTATCCAGGAGTCGCAGAACCTTTCCATGTT
CCTGGCCAACCACAACAGGATCACCCAGTGTCTCCACCAGCAACTTGAAGTATGCCAGGCTATGAGGAG
CTGCTGGCTGACATTGTCAACATCTGTGTGGATTACTACGAGAACAAGATGTACCTGACTCCCAGTGAGA
AACATATGCTCCTCAAGGTGATGGGCTTTGGCCTTACCTAATGGATGGAATGTGAGTAAACATTTACAA
ACTGGATGCCAAGAAGAGAATTAATCTTAGCAAAATTGATAAATCTTTAAGCAGCTGCAGGTGGTGCC
CTTTTCGGCGACATGCAGATAGAGCTGGCCAGATACATTAAGACCAGTGCCTACTATGAAGAGAACAAGT
CCAAGTGGACGTGCACCCAGAGCAGCATCAGCCCCAGTACAATATCTGCGAGCAGATGGTTCAGATCCG
GGATGACCACATCCGCTTCATCTCCGAGCTCGCTCGCTACAGCAACAGTGAGGTGGTGACGGGCTCAGGG
CTGGACAGCCAGAAGTCAGACGAGGAGTATCGCGAGCTTTCGACCTAGCCCTGCGGGGCTGCAGCTTC
TATCCAAGTGGAGCGCCACGTCATGGAGGTGACTCTTGGAAAGCTGGTTCATCCACAGACAAGTCTG
CAACAAGGACTGTCTGGCACCAGGAGGAATATGAGAGAGCCACACGCTACAATTACACCAGTGAGGAA
AAATTTGCCTTCGTTGAGGTGATCGCCATGATCAAAGGCTGCAGGTGCTCATGGCAGGATGGAGAGCG
TCTTCAACCAGGCCATCAGGAACACCATCTACGCGCATTGCAGGACTTCGCCAGGTGACGCTGCGTGA
GCCCTGCGGCAGGCGGTACGGAAGAAGAAGTGTCTCATCAGCGTCTACAGGCAATTCGAAAGACC
ATCTGTGACTGGGAGGGAGGGCAGAGCCCCCTAATGACCATGCTTGAGAGGGGAGAAGGACCCCAAAG
GTGGATTTGATATCAAGGTGCCCGGCGTGTGTGGGCCATCCAGCACACAGCTGTACATGGTGGCGAC
```



[View online »](#)

CATGCTTGAATCACTCATTGCAGACAAAAGCGGCTCCAAGAAGACCCTGAGGAGCAGCCTGGATGGACCC  
 ATTGTCCTCGCCATAGAGGACTTTCACAAACAGTCCTTCTTTCACACATCTGCTCAACATCAGTGAAG  
 CCCTGCAGCAGTGTGTGACCTCTCCAGCTCTGGTTCGAGAATTCTTCTGGAGTTAACCATGGGCCG  
 ACGAATCCAGTTCATCGAGATGTCCATGCCCTGGATTCTAACGGACCATATCCTGGAACCAAAGAA  
 CCTTCCATGATGGAGTATGTCTCTACCCTCTGGATCTGTACAACGACAGCGCCTACTATGCTCTGACCA  
 AGTTTAAAAAGCAGTTCCTGTACGATGAGATAGAAGCTGAGGTGAACCTGTGTTTTGATCAGTTTTGTCTA  
 CAAGCTGGCAGACCAGATCTTTGCTTACTACAAAGCCATGGCTGGCAGTGTCTGTTGGATAAACCTTTT  
 CGAGCTGAGTGAAGAATTATGGCGTCATCATTCCGTATCCACCGTCCAATCGCTATGAAACACTGCTGA  
 AGCAGAGACACGTCCAGCTGTTGGGTAGATCAATTGACTTGAACAGACTCATTACCCAGCGCATCTCTGC  
 CGCCATGTATAAACTCTGGACCAAGCTATCAGCCGCTTTGAGAGTGAGGACCTGACCTCCATTGTGGAG  
 CTGGAGTGGTCTGGAGATTAACCGGCTCACGCATCGGCTGCTGTAAAGCATATGACGCTGGACAGCT  
 TCGATGCCATGTTCCGAGAGGCCAATCACAATGTGTCCGCCCCCTATGGCCGTATCACCTGCATGTCTT  
 CTGGAACTGAACCTTACTTTCTCCCACTACTGCTACAATGGGTCCACTAACCGTTTTGTGCGGACT  
 GCCATTCCTTACCCCAAGAACCACAACGAGACAAACCTGCCAACGTCCAGCCTTATTACCTCTATGGAT  
 CCAAGCCTCTCAACATTGCTACAGCCACATCTACAGCTCTACAGGAATTCGTGGGGCCACCTCATT  
 CAAGACTATCTGCAGACTCCTGGTTATCAGGGCATCGCTGTGGTCATGGAGGAAGTCTAAAGATTGTG  
 AAGAGCTTGTCCAAGGAACCTTCTCCAGTATGTGAAAACACTGATAGAGGTGATGCCCAAGATATGCC  
 GCTTGCCCGACATGAGTATGGCTCCCCAGGGATCCTGGAGTTCTTCCACCACAGCTGAAGGACATCAT  
 TGAGTACGCAGAGCTCAAAACAGACGTGTTCCAGAGCCTGAGGGAAGTGGGCAATGCCATCCTCTTCTGC  
 CTCCTCATAGAGCAAGCTCTGTCTCAGGAGGAGGTCTGCGATTTGCTCCATGCCGCACCCTTCAAAAACA  
 TCTTGCCTAGAGTCTACATCAAAGAGGGGAGCGCCTGGAGGTCCGGATGAAACGCTCTGGAAGCCAAGTA  
 TGCCCCGCTCCACTGGTCCCTCTGATCGAGCGGCTGGGACCCCTCAGCAAATCGCCATTGCTCGCGAG  
 GGTGACCTCCTGACCAAGGAGCGGCTGTGCTGTGGCCTGTCCATGTTGAGGTGATCCTGACCCGATTC  
 GGAGTACTGTCAGGACCCATCTGGCGGGCCACCGCCACCAATGGGTCATGCACGTCGATGAGTG  
 TGTGGAGTTCACCGGCTGTGGAGCGCCATGCAGTTCGTGTACTGCATCCCTGTGGGAACCAACAGTTC  
 ACAGCTGAGCAGTGTTCGGCGATGGCTTGAAGTGGGCTGGTTGCTCCATCATTGTCTGCTGGCCAGC  
 AGCGTCGCTTTGACCTGTTGACTTCTGTTACCACCTGCTAAAAGTGCAGAGGCAGGACGGGAAGGATGA  
 AATCATTAAGAATGTGCCCTGAAGAAGATGGCCGACCGATCAGGAAGTATCAGATCTTGAACAATGAG  
 GTTTTTGCCATCCTGAACAAATACATGAAGTCCGTGGAGACAGACAGTTCCTACTGTGGAGCATGTGCGCT  
 GCTTCCAGCCACCATCCACCAGTCTTGGCCACCACTGCTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001291721

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001291721.1](#), [NP\\_001278650.1](#)

RefSeq Size: 6421 bp

RefSeq ORF: 3684 bp

Locus ID: 26999

UniProt ID: [Q96F07](#)

Cytogenetics: 5q33.3

Protein Pathways: Regulation of actin cytoskeleton

**Gene Summary:** Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (4) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.